

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 4420.3	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IL04/00420	International filing date (day/month/year) 18 May 2004 (18.05.2004)	(Earliest) Priority Date (day/month/year)
Applicant MTS MER TELEMAGEMENT SOLUTIONS LTD.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

#### 1. Basis of the Report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II)

3. ☐ Unity of invention is lacking (See Box No. III)

4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

Please See Continuation Sheet

5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL04/00420

Continuation of Item 4 of the first sheet:

The title is too long.

NEW TITLE:

Information Verification in a Telecommunications Network

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00420

## Box IV TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

### NEW ABSTRACT

A method and apparatus for bill verification in a communication and computing environment is disclosed. The apparatus includes a user device (12, 14, 16) and a bill verification device (26). The user device independently generates (30) user data records (36) that describe usage units of a service and transmits (42) the user data records to a bill verification device (26). The bill verification device collects bill calculation information from a user device, from a service provider device (18) and a service provider billing system and independently calculates and generates a bill with embedded inter-bill difference indicators. The bill verification device is further used as a post-billing usage control mechanism.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00420

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 17/60  
US CL : 705/40, 30, 32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 705/40, 30, 32, 34, 38, 39, 52

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0036918 A1 (Pintsov) 20 February 2003 (20.02.2003), page 2.	1-28
A	US 6,058,380 B1 (Anderson et al.) 2 May 2000 (02.05.2000), pages 1-19.	1-39
A	US 2004/0044602 A1 (Christine Batur et al.) 4 March 2004 (04.03.2004), pages 1-3.	1-39
A	US 2002/0123919 A1 (Brockman et al.) 5 September 2002 (05.09.2002), pages 1-14.	1-39
A	US 2002/0078194 A1 (Neti et al.) 20 June 2002 (20.06.2002), pages 1-6.	1-39
A	US 6,052,450 (Allison et al.) 18 April 2000 (18.04.2000), pages 1-11.	1-39
Y, E	US 2004/0158510 A1 (Fisher) 12 August 2004 (12.08.2004), pages 1-10.	1-39
Y, E	US 2004/0210526 A1 (Brown), 21 October 2004 (21.10.2004), pages 1-13.	1-39

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

### \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

13 December 2004 (13.12.2004)

Date of mailing of the international search report

17 FEB 2005

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